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(54) Title: METHOD FOR THE DETECTION OF PATHOGENIC GRAM POSITIVE BACTERIA FROM THE GENERA STAPHYLOCOCCUS, ENTEROCOCCUS AND STREPTOCOCCUS

(57) Abstract: The present invention is directed to a method for identification of a Gram positive pathogenic bacterium comprising (a) an amplification step with at least a first set of amplification primers capable of amplifying a preselected nucleic acid sequence region from a first predetermined sub-group of pathogenic Gram positive bacteria, (ab) a detection step with at least a first hybridization reagent capable of specifically detecting a preselected nucleic acid sequence region from said first predetermined sub-group of pathogenic Gram positive bacteria, said detection step comprising steps (aba) monitoring, whether hybridization has occurred at a preselected temperature, said occurrence of hybridization being indicative for at least the genus of the pathogenic organism present in the sample, and (abb) monitoring temperature dependence of hybridization, said temperature dependence being indicative for at least the species of said pathogenic Gram positive bacterium.